

**Claims:**

1. (Currently Amended) A method of managing a relational database comprising:
  - a. receiving queries in SQL, the queries comprising a plurality of query terms;
  - b. interpreting the queries by associating at least one declarative language function with the query terms by converting the SQL to an intermediate tree representation corresponding to the declarative language function;
  - c. converting the queries represented by the at least one declarative language function to a plurality of JAVA imperative language statements; and
  - d. executing the imperative language statements.
2. (Cancelled)
3. (Currently Amended) The method of claim 2-1, wherein the declarative language function is identified by a pointer to further code such that the declarative language function is treated as data within the a plurality of JAVA imperative language statements.
4. (Previously Presented) The method of claim 1 wherein the declarative language function is implemented in a declarative language that is chosen from the group consisting of ML, LISP, and HASKELL.

5-13. (Cancelled)

14. (Currently Amended) A database management system adapted to process queries in a pervasive computing environment, said pervasive computing environment comprising at least one client adapted to interact with a server over connection services, said at least one client controlled and configured to

- a. receive the queries in SQL, the queries comprising a plurality of query terms;
- b. interpret the queries by associating at least one declarative language function with the query terms by converting the SQL to an intermediate tree representation corresponding to the declarative language function;
- c. convert the queries represented by the at least one declarative language function to a plurality of JAVA imperative language statements by converting the query to at least one data structure that is interpreted by an imperative language interpreter core to perform the queries; and
- d. execute the imperative language statements.

15. (Cancelled)

16. (Currently Amended) The system of claim 14\_45, wherein the declarative language function is identified by a pointer to further code such that the declarative language function is treated as data within the plurality of JAVA imperative language statements.

17. (Currently Amended) The system of claim 14 wherein the declarative language function is implemented in a declarative language that is chosen from the group consisting of ML, LISP, and HASKELE.

18-23. (Cancelled)

24. (Currently Amended) A program product comprising computer readable program code on one or more media, said program code being capable of controlling and configuring a computer system having one or more computers to perform the process of

- a. receiving queries in SQL, the queries comprising a plurality of query terms;
- b. interpreting the queries by associating at least one declarative language function with the query terms;
- c. converting the queries represented by the at least one declarative language function to a plurality of imperative language statements; and
- d. executing the imperative language statements.

wherein step b further comprises converting the SQL to an intermediate tree representation corresponding to the at least one declarative language function associated with the plurality of query terms,  
wherein step c further comprises thereafter converting the queries represented by the at least one declarative language function to at least one data structure that is interpreted by an imperative language interpreter core to perform the queries,  
wherein the declarative language function is implemented in ML and the imperative language statements are JAVA statements.

25. (Cancelled)

26. (Currently Amended) The program product of claim 24-25, wherein the declarative language function is identified by a pointer to further code such that the declarative language function is treated as data within the plurality of imperative language statements.

27. (Cancelled)

28. (Previously Presented) The program product of claim 24 wherein the imperative language statements are implemented in an imperative language that is chosen from the group consisting of C, C++, Java, Modula2, and SmallTalk.

29-33. (Cancelled)